

**MISSOURI STATE BOARD OF EDUCATION AGENDA ITEM:****August 2023**

REPORT ON 2022-23 MISSOURI ASSESSMENT PROGRAM GRADE-LEVEL AND END-OF-COURSE  
PRELIMINARY STATEWIDE RESULTS IN ENGLISH LANGUAGE ARTS, MATHEMATICS,  
SCIENCE, AND SOCIAL STUDIES

**STATUTORY AUTHORITY:**

Section 161.092, RSMo

<input type="checkbox"/>	Consent Item	<input type="checkbox"/>	Action Item	<input checked="" type="checkbox"/>	Report Item
--------------------------	-----------------	--------------------------	----------------	-------------------------------------	----------------

**STRATEGIC PRIORITY**

Success-Ready Students &amp; Workforce Development

**SUMMARY**

This report will provide an overview of the preliminary statewide results of the 2022-23 implementation of the Missouri Assessment Program (MAP). Presenters will discuss the meaning of the preliminary results in English language arts, mathematics, science, and social studies.

**PRESENTERS**

Lisa Sireno, Assistant Commissioner, Office of Quality Schools; and Shaun Bates, Standards, Curriculum, and Assessment Coordinator, will assist in the presentation and discussion of this agenda item.

# Missouri Assessment Program (MAP) 2022-23 Preliminary Statewide Results

August 15, 2023



# WHY ADMINISTER STATEWIDE ASSESSMENTS?



Accountability

Application

Improve educational systems  
Ensure educational equity

- State and federal accountability
- Missouri School Improvement Program (MSIP)
- Every Student Succeeds Act (ESSA)

Provide public reporting and feedback

- Students, parents, schools, communities, taxpayers

Evaluate programs at local and state levels

- Curriculum reform, virtual learning, etc.

Provide comparisons and benchmarks

- Other measures of student performance and achievement gaps

Research

- Attendance
- Identify successes

Develop specific supports for students,  
teachers, and local education agencies (LEAs)



- Statewide assessment participation rate is above 95%.
- Overall performance rates have not reached pre-pandemic levels.
  - Since 2021-22, slight increases in performance in English Language Arts (ELA) except in grades 6 and 7.
  - Since 2021-22, performance in Mathematics and Science has increased or held steady in all grades and courses.
  - Since 2021-22, performance in Social Studies has declined.



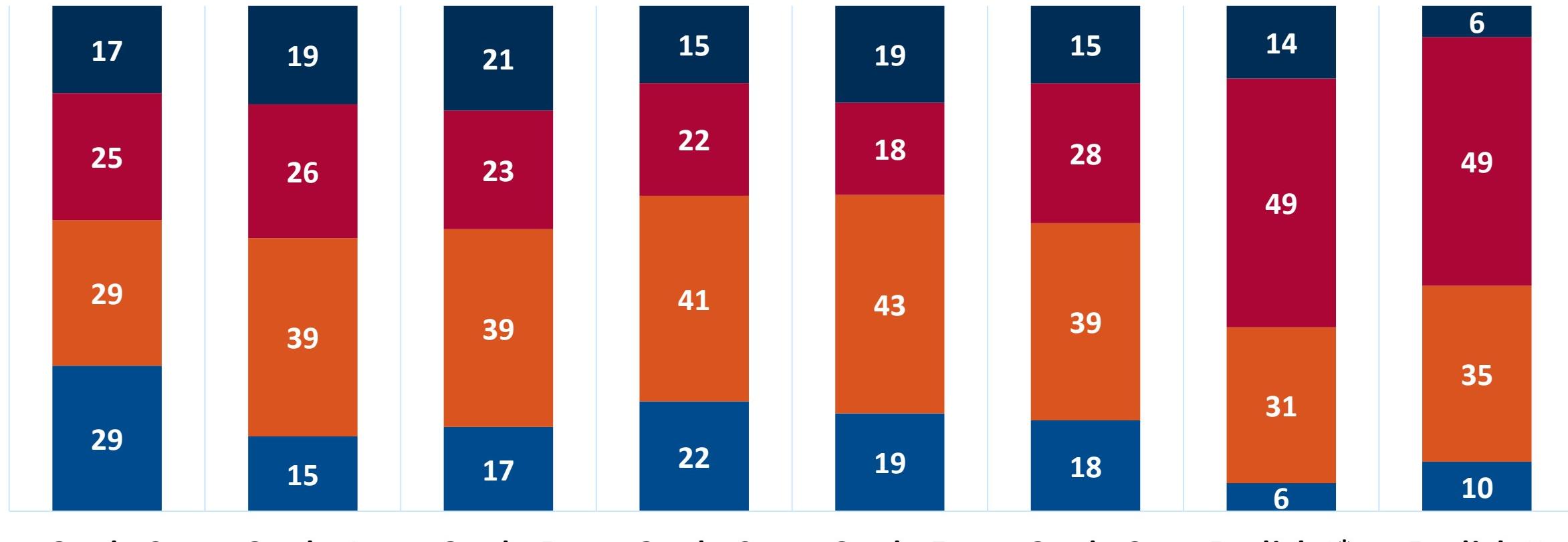
## 2022-23 Preliminary Statewide Results

ELA, Mathematics, Science, and Social Studies

# ELA 2022-23



■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



**Grade 3**

**Grade 4**

**Grade 5**

**Grade 6**

**Grade 7**

**Grade 8**

**English I\***

**English II**

# Tested

63,640

63,545

64,092

64,142

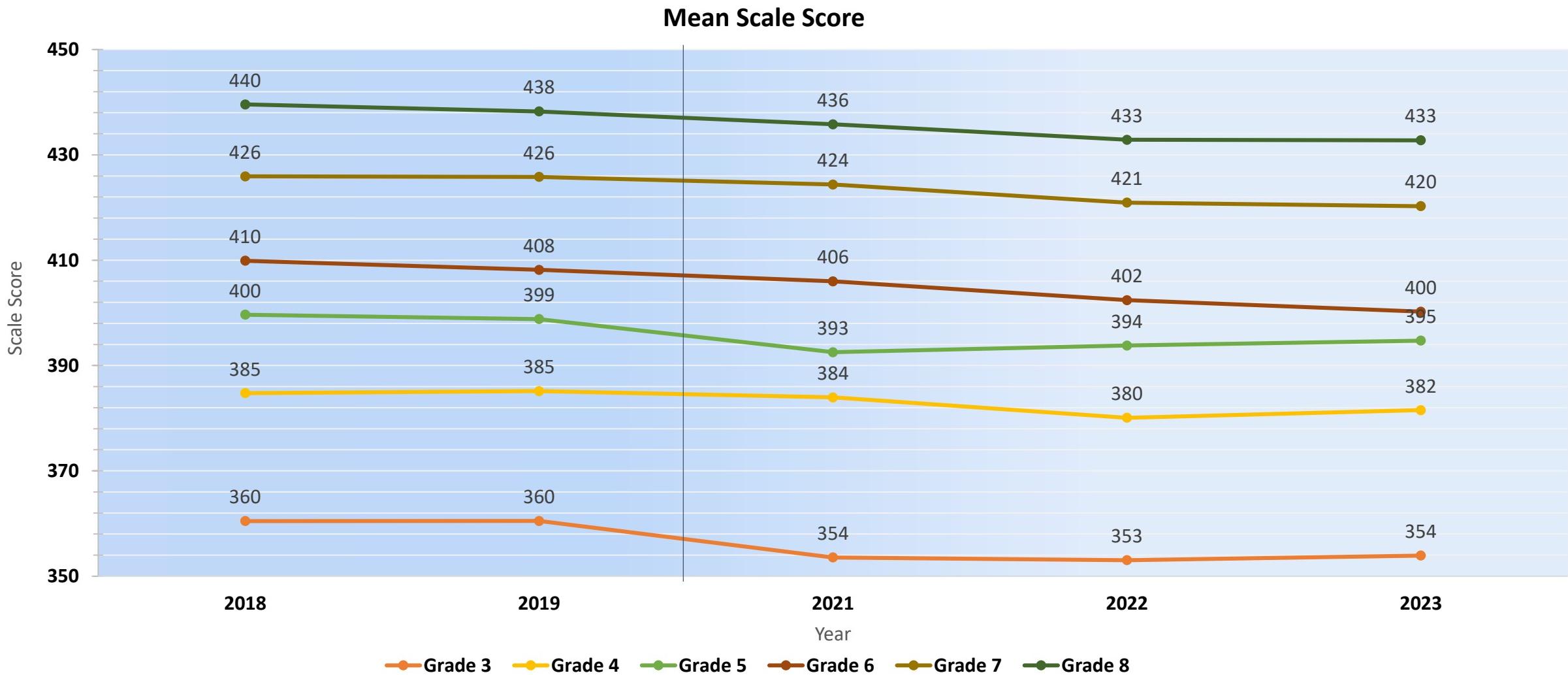
65,246

66,789

5,964

65,846

## ELA GRADES 3-8 2018-2023\*

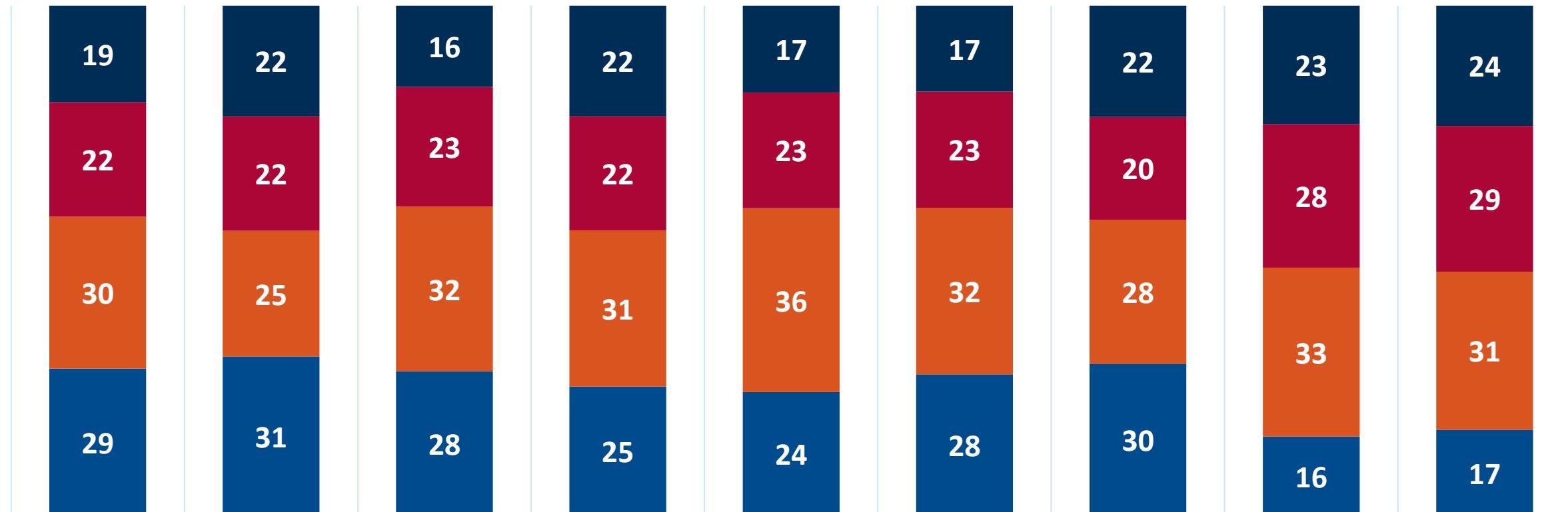


\*Assessments were not administered in 2020.

# MATHEMATICS 2022-23



■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



**Grade 3**

**Grade 4**

**Grade 5**

**Grade 6**

**Grade 7**

**Grade 8\***

**Algebra I**

**Geometry\*\***

**Algebra II\*\*\***

# Tested

63,849

63,747

64,332

64,296

64,785

66,740

70,188

1,437

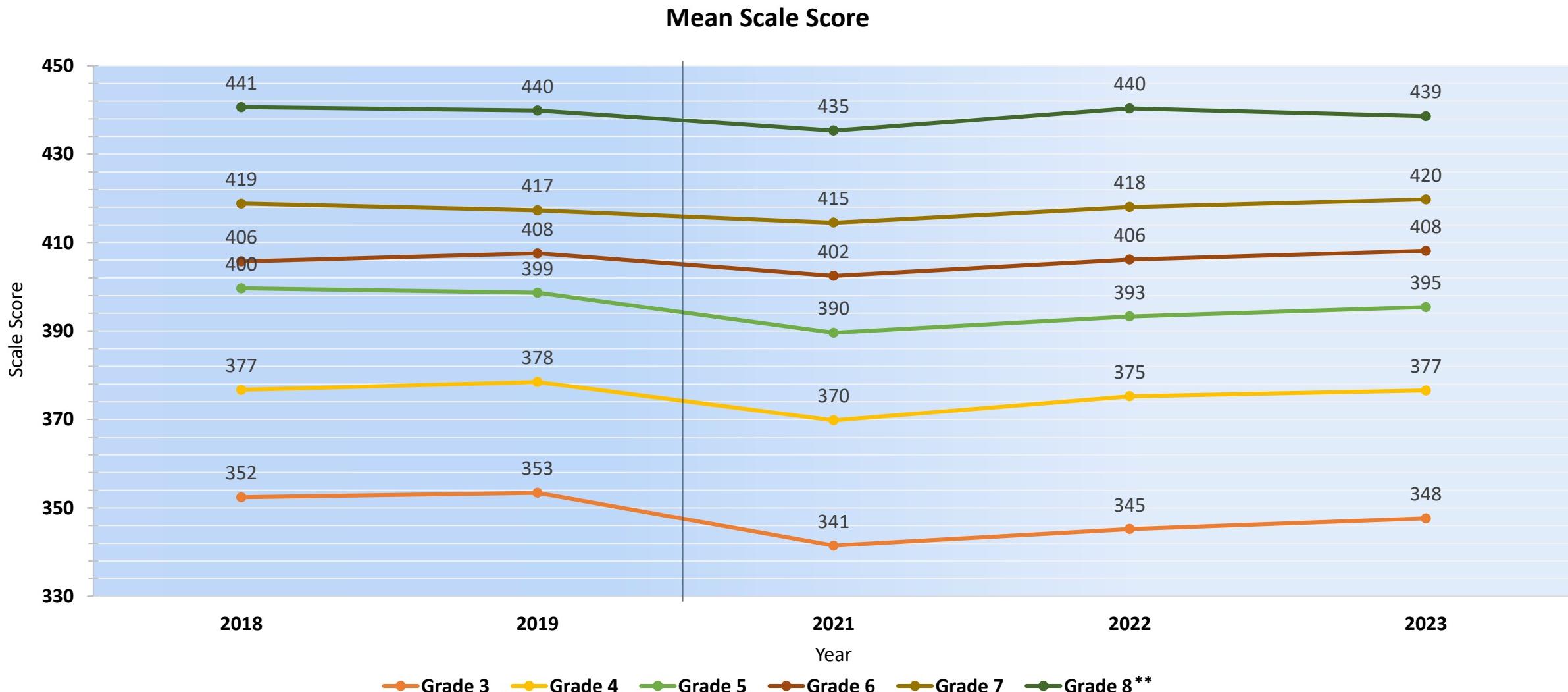
11,876

\*Includes 8<sup>th</sup> grade students who took Algebra I EOC assessments.

\*\*Optional for most high school students. May be required for high school students who took Algebra I prior to high school.

Percentages may not sum to 100 due to rounding.

# MATHEMATICS 2018-2023 GRADES 3-8\*



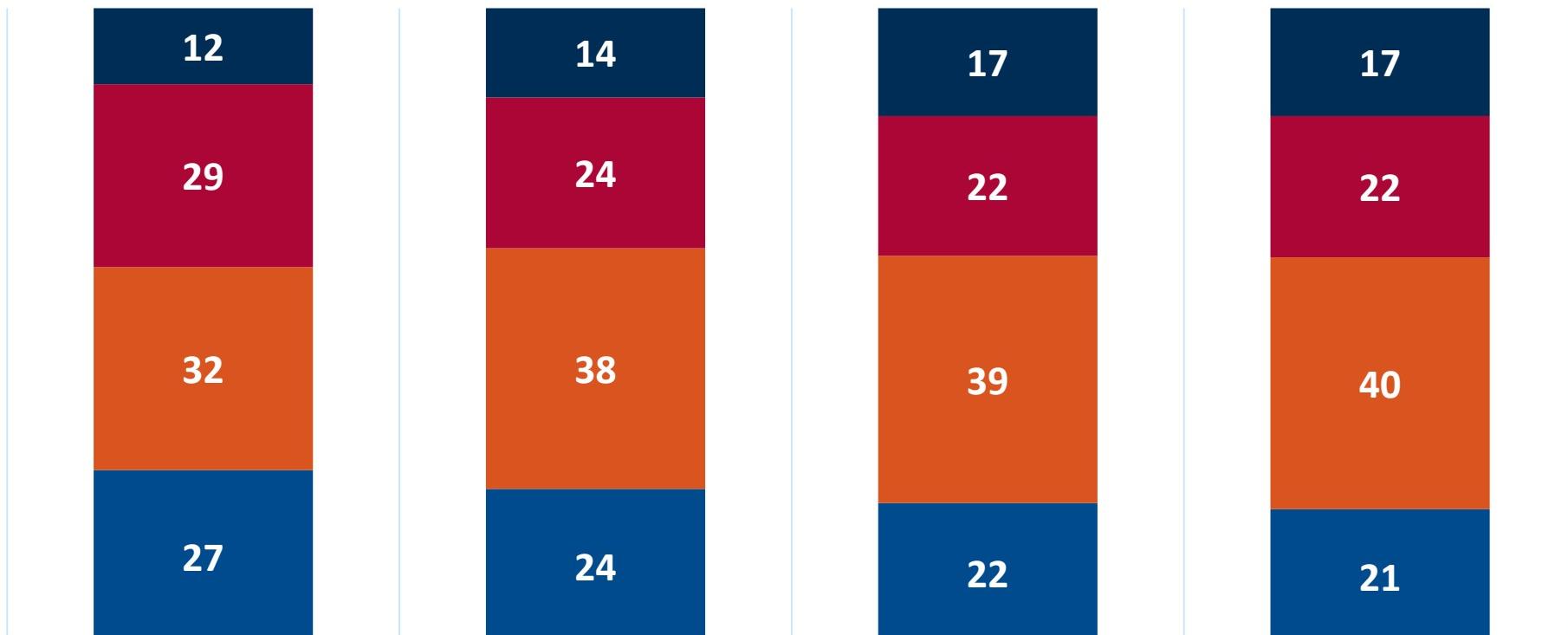
\*Assessments were not administered in 2020.

\*\* Includes Grade-Level assessments only.

# SCIENCE 2022-23



■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



**Grade 5**

# Tested

64,314

**Grade 8**

66,903

**Biology**

65,688

**Physical Science\***

755

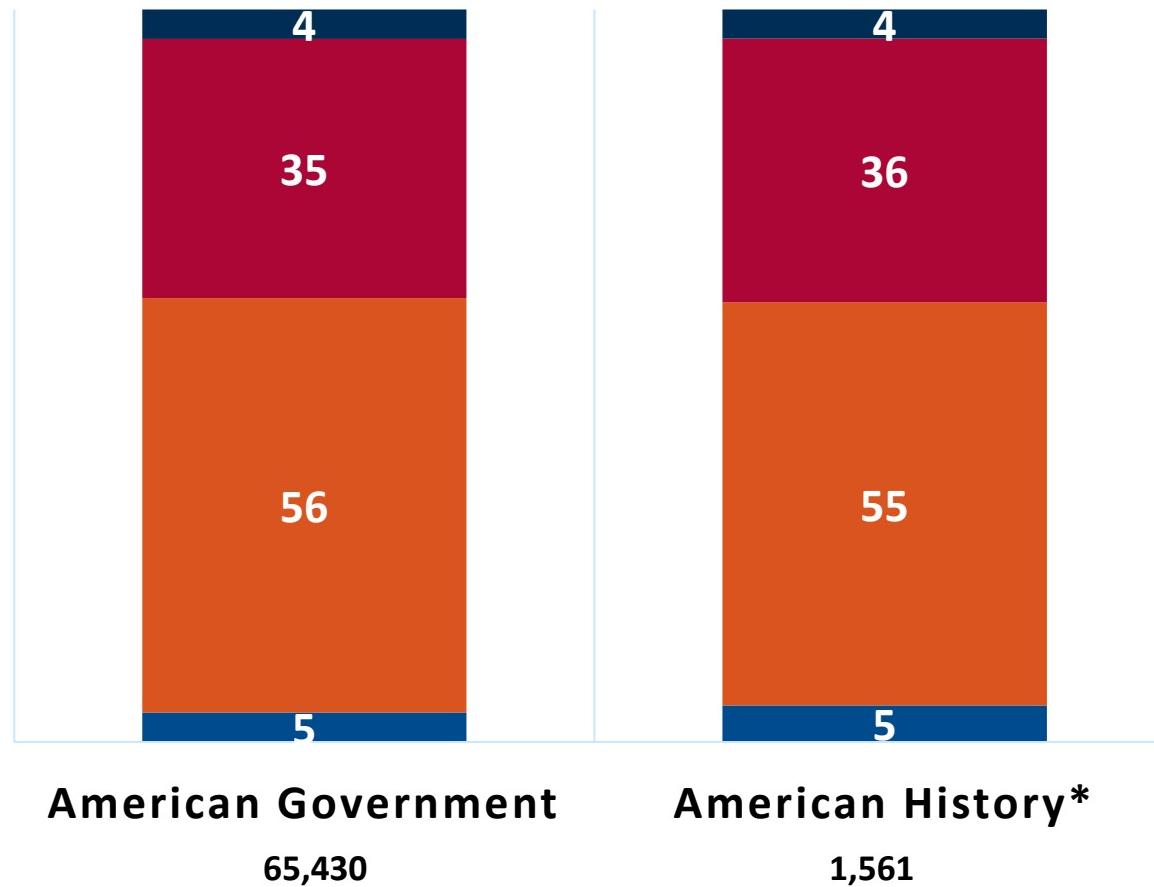
\* Optional EOC assessment.

Percentages may not sum to 100 due to rounding.

# SOCIAL STUDIES 2022-23



■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



# Tested

65,430

1,561



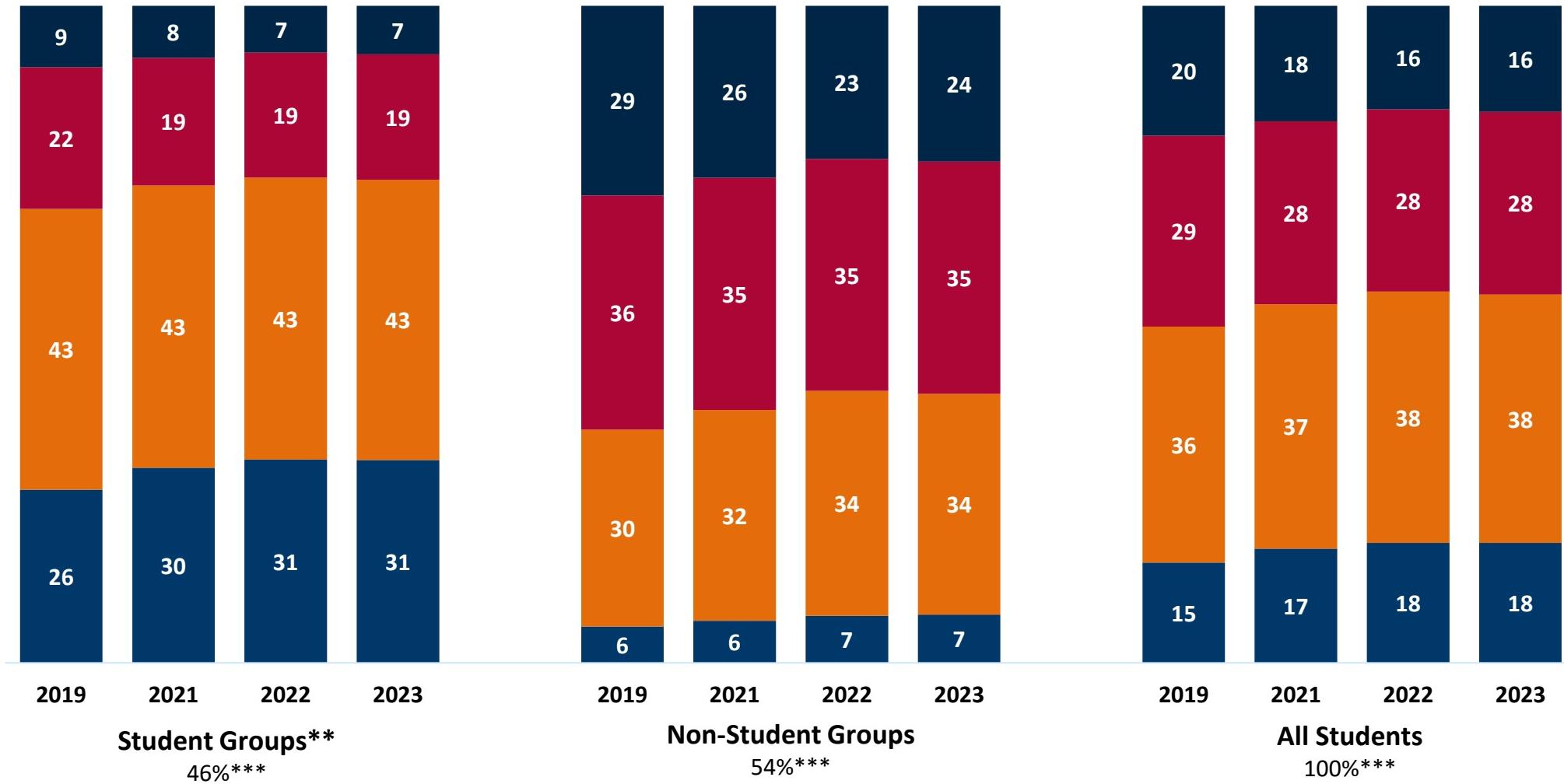
## Demographic Analyses

ELA, Mathematics, Science, and Social Studies

# ELA – GRADE 3 THROUGH HIGH SCHOOL\*



■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



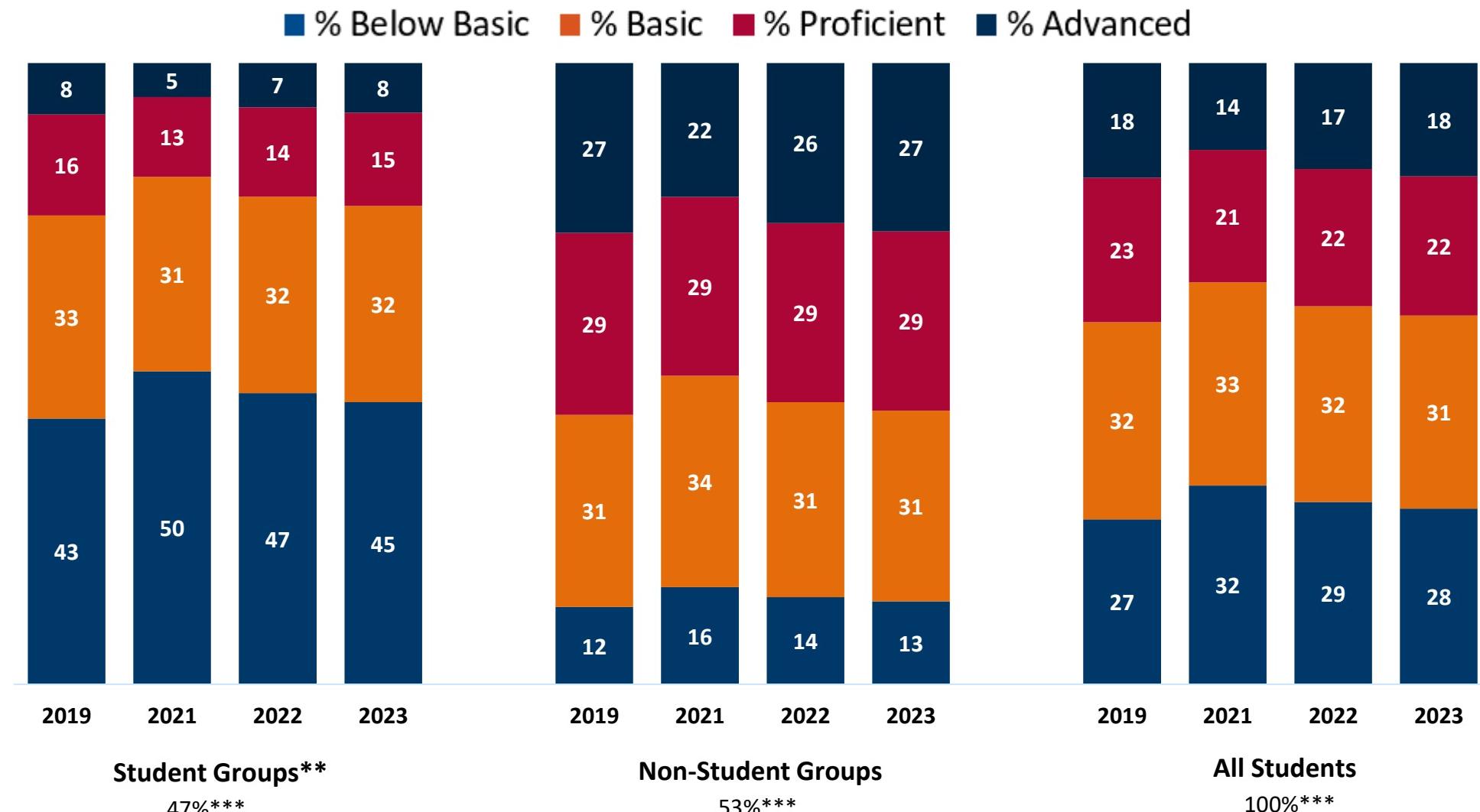
\*Assessments were not administered in 2020.

\*\*Includes Black, English Learners (EL), Free and Reduced Lunch (FRL), Hispanic, and Individualized Education Plan (IEP) student groups.

\*\*\*Percent of total tested population in 2023.

Percentages may not sum to 100 due to rounding.

# MATHEMATICS – GRADE 3 THROUGH HIGH SCHOOL\*



\*Assessments were not administered in 2020.

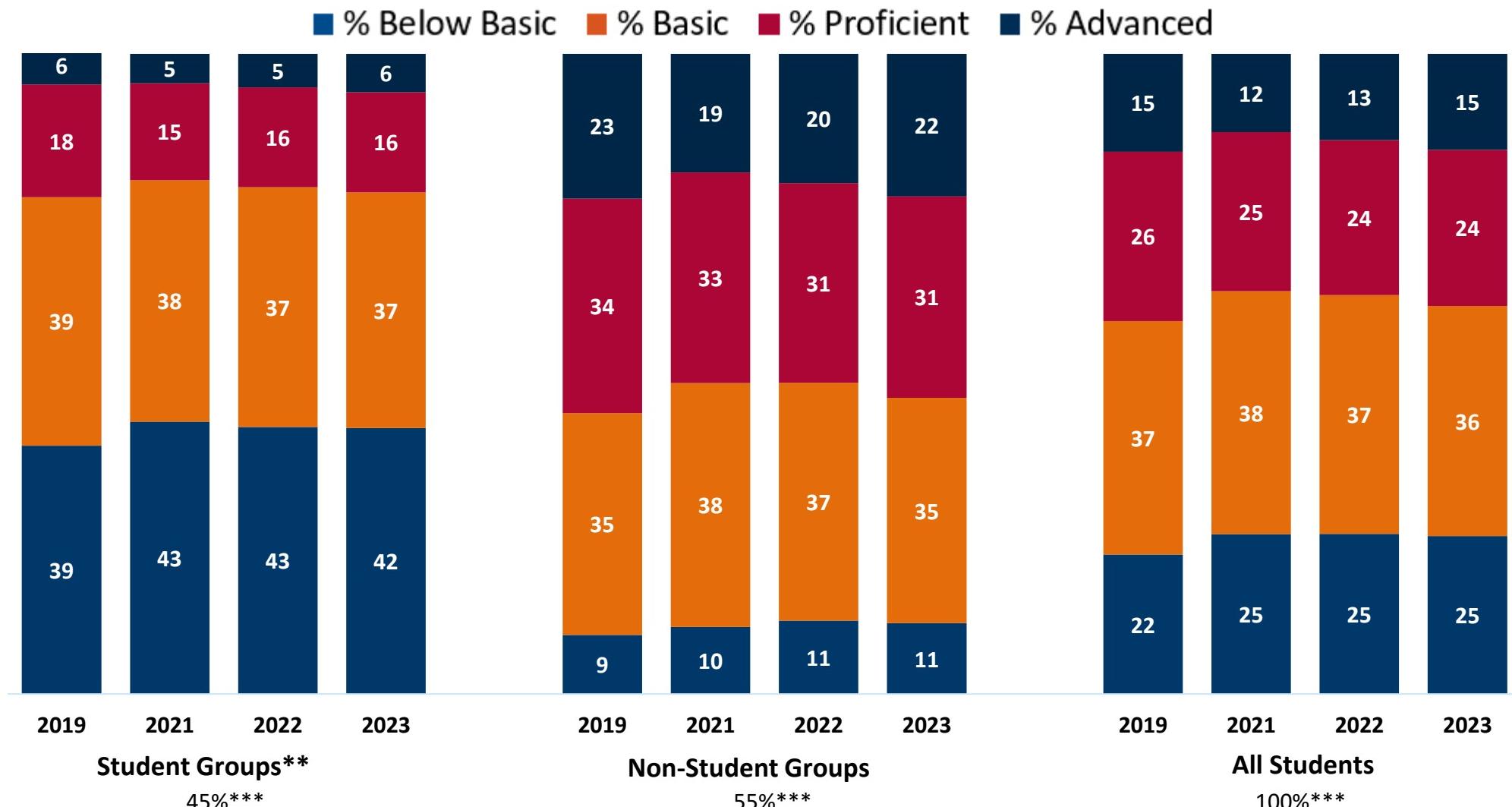
\*\*Includes Black, EL, FRL, Hispanic, and IEP student groups.

\*\*\*Percent of total tested population in 2023.

Percentages may not sum to 100 due to rounding.



## SCIENCE – GRADE 5, 8 AND HIGH SCHOOL\*



\*Assessments were not administered in 2020.

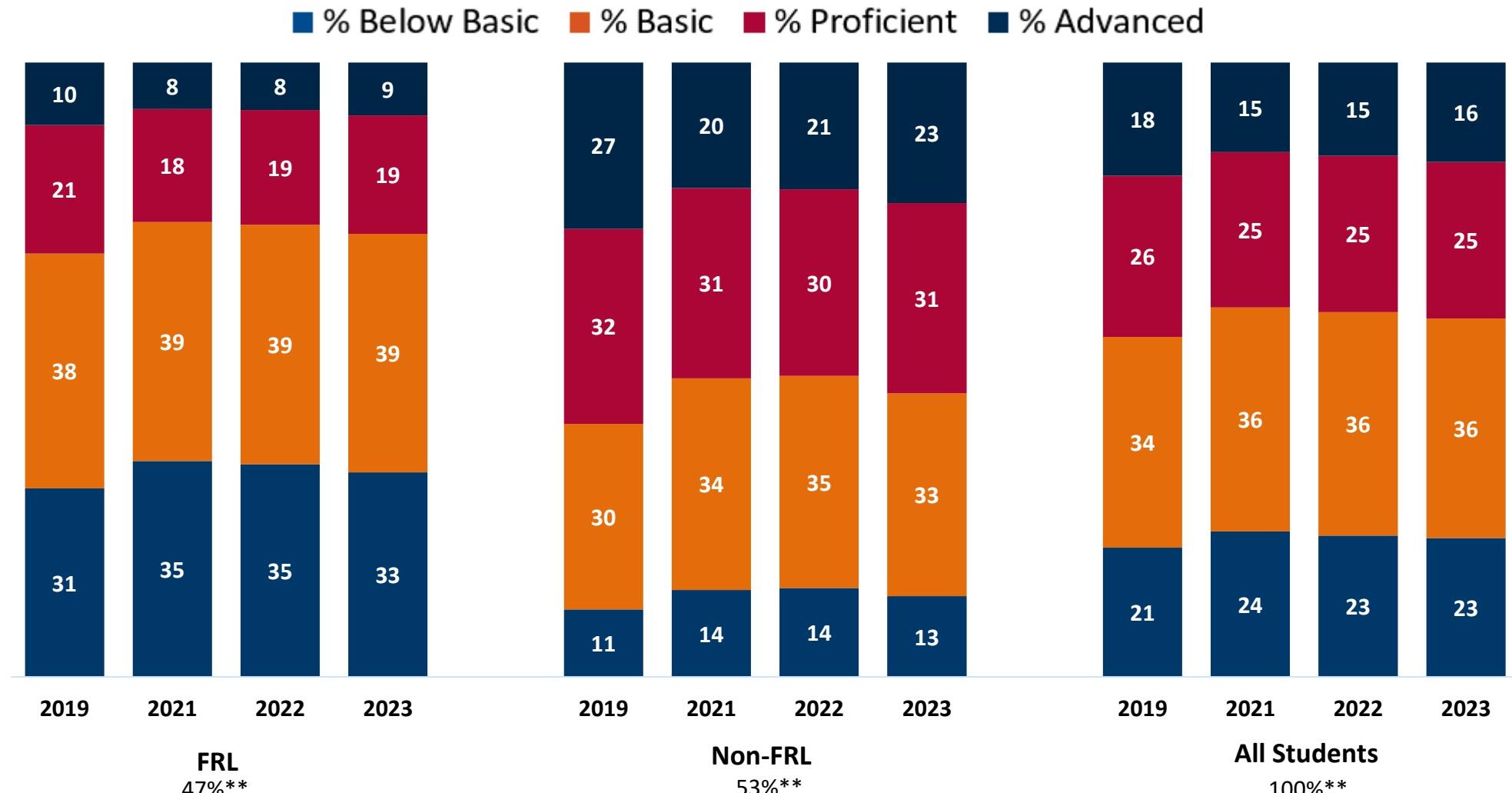
\*\*Includes Black, EL, FRL, Hispanic, and IEP student groups.

\*\*\*Percent of total tested population in 2023.

Percentages may not sum to 100 due to rounding.



## FRL – ALL TESTED CONTENT AREAS AND GRADES\*



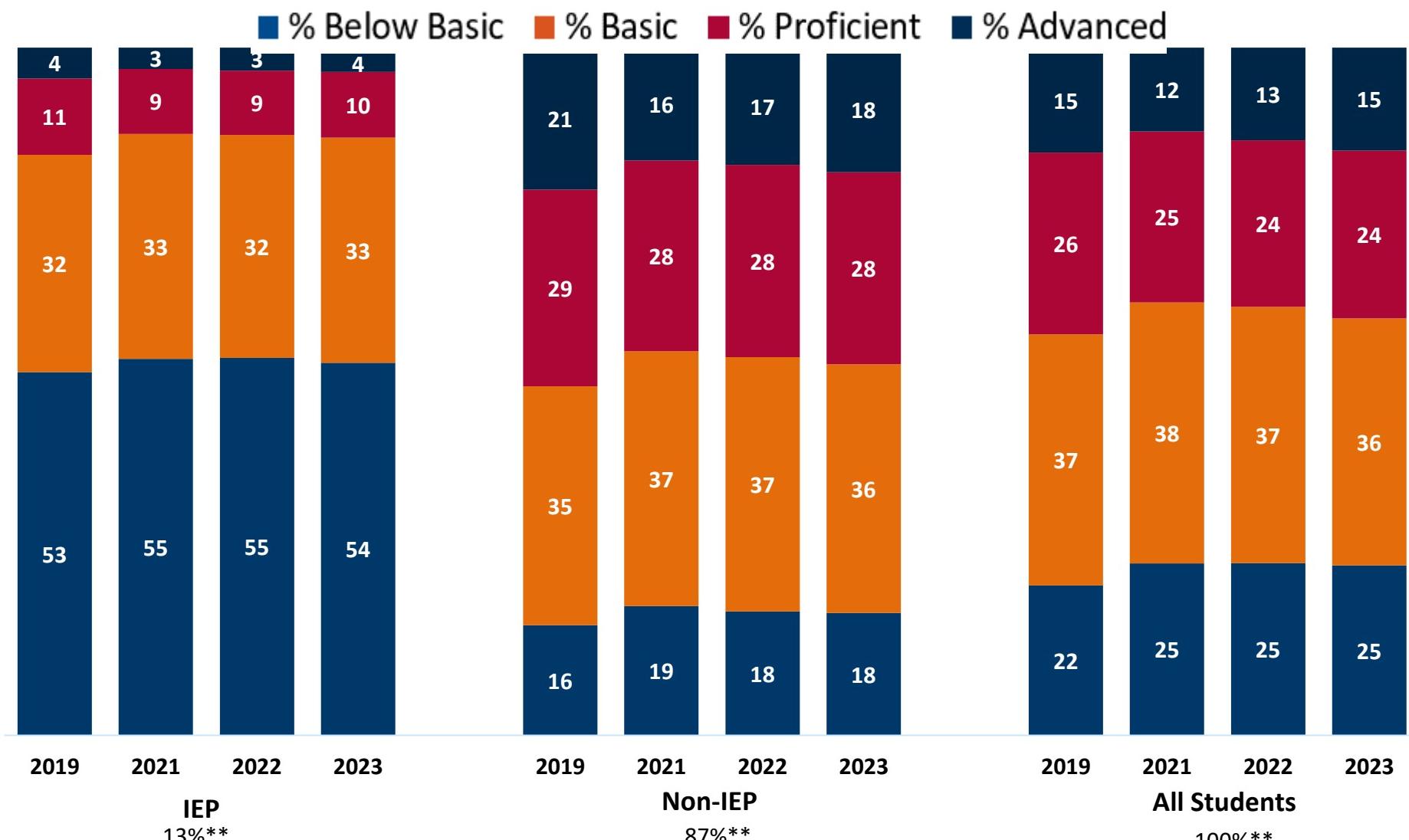
\*Assessments were not administered in 2020.

\*\*Percent of total tested population in 2023.

Percentages may not sum to 100 due to rounding.



## IEP – ALL TESTED CONTENT AREAS AND GRADES\*



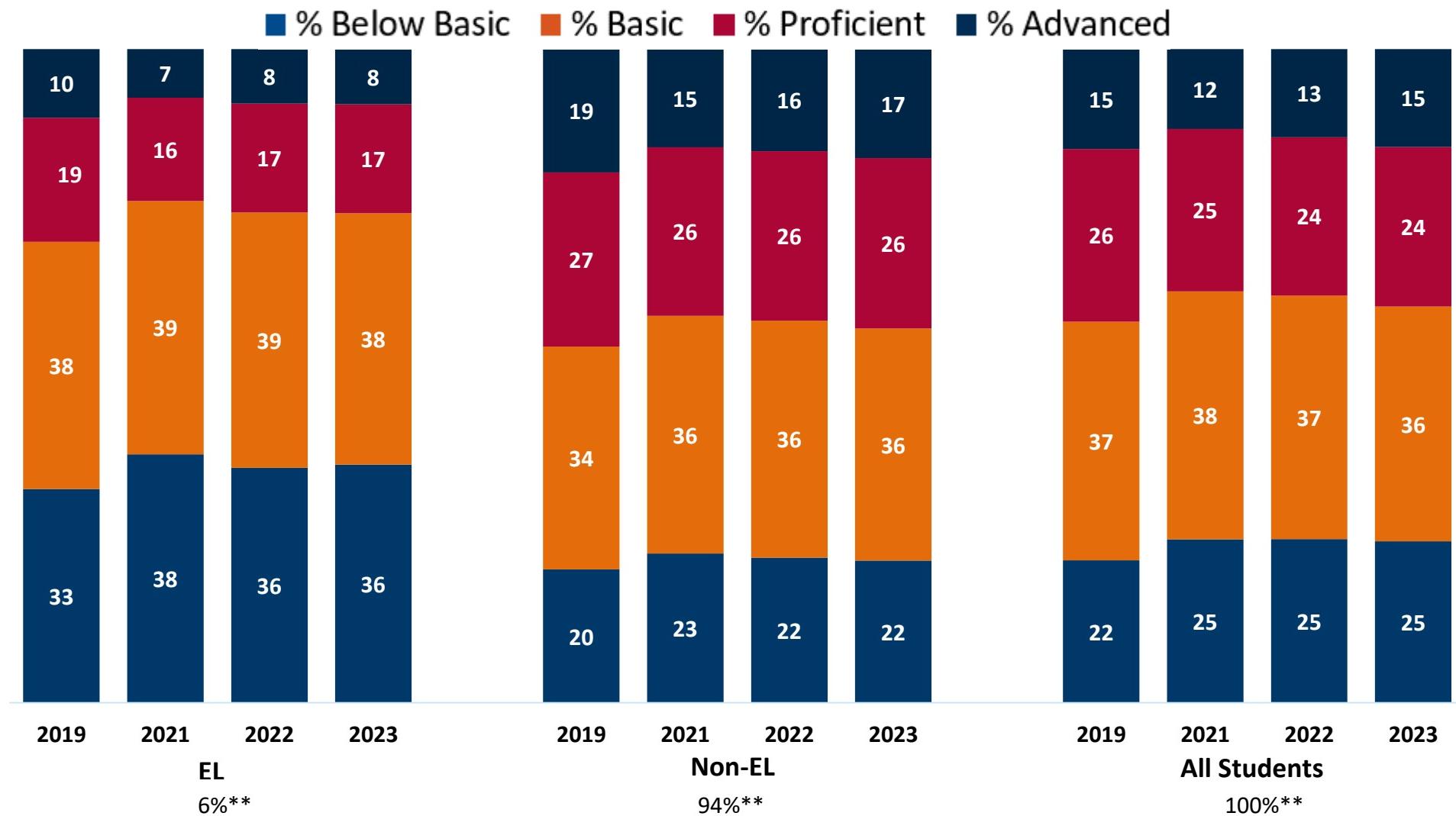
\*Assessments were not administered in 2020.

\*\*Percent of total tested population in 2023.

Percentages may not sum to 100 due to rounding.



## EL – ALL TESTED CONTENT AREAS AND GRADES\*

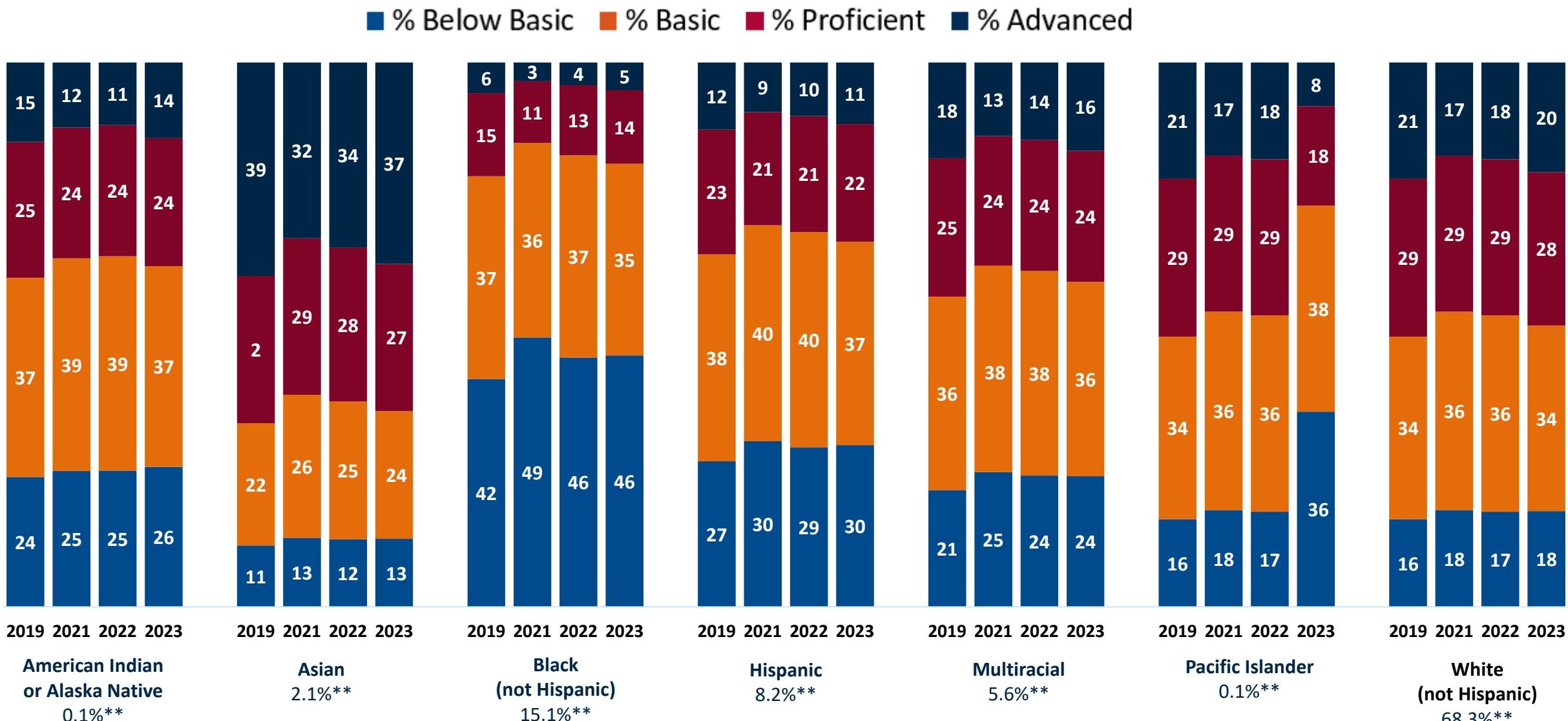


\*Assessments were not administered in 2020.

\*\*Percent of total tested population in 2023.

Percentages may not sum to 100 due to rounding.

# ETHNICITY – ELA AND MATHEMATICS, GRADE 3 THROUGH HIGH SCHOOL\*



\*Assessments were not administered in 2020.

\*\*Percent of total tested population in 2023.

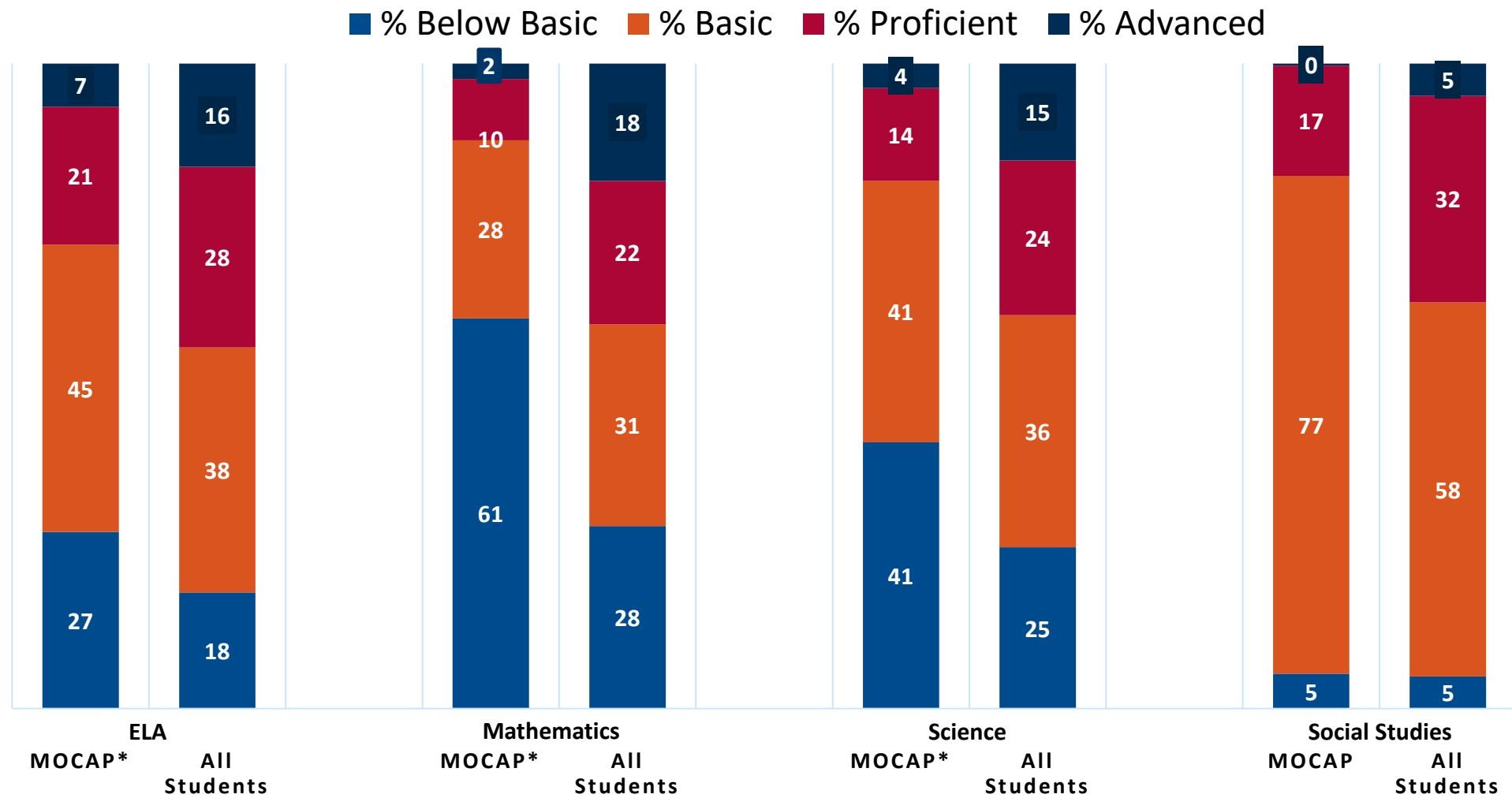
Percentages may not sum to 100 due to rounding.



## MISSOURI COURSE ACCESS AND VIRTUAL SCHOOL PROGRAM (MOCAP)



# MOCAP 2022-23 – GRADE 3 THROUGH HIGH SCHOOL



# Tested

2,486      459,788

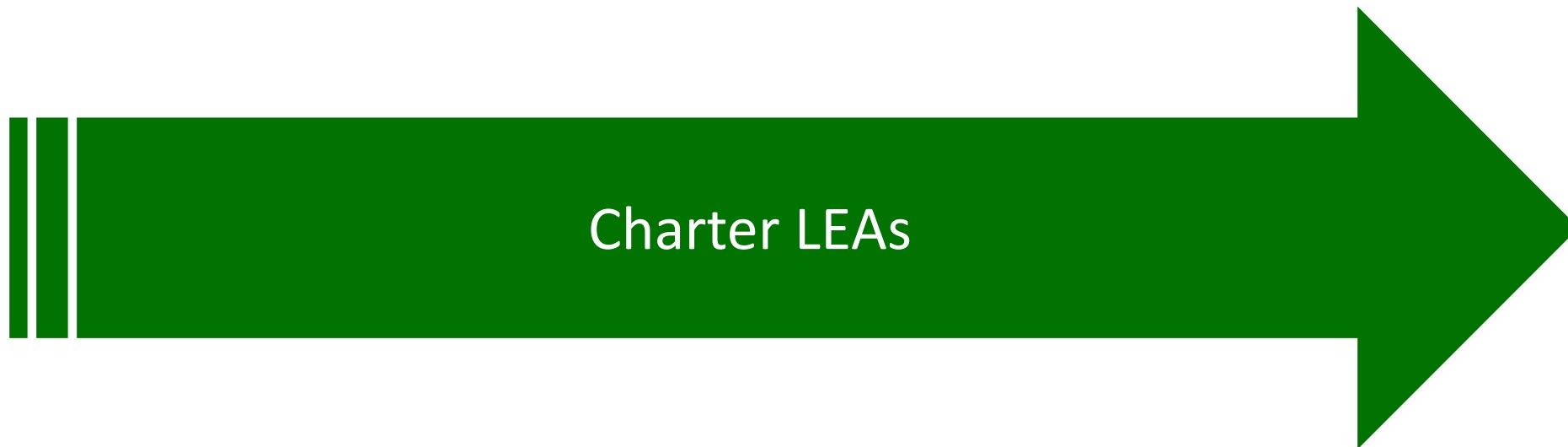
2,383      460,012

1,183      198,154

672      55,484

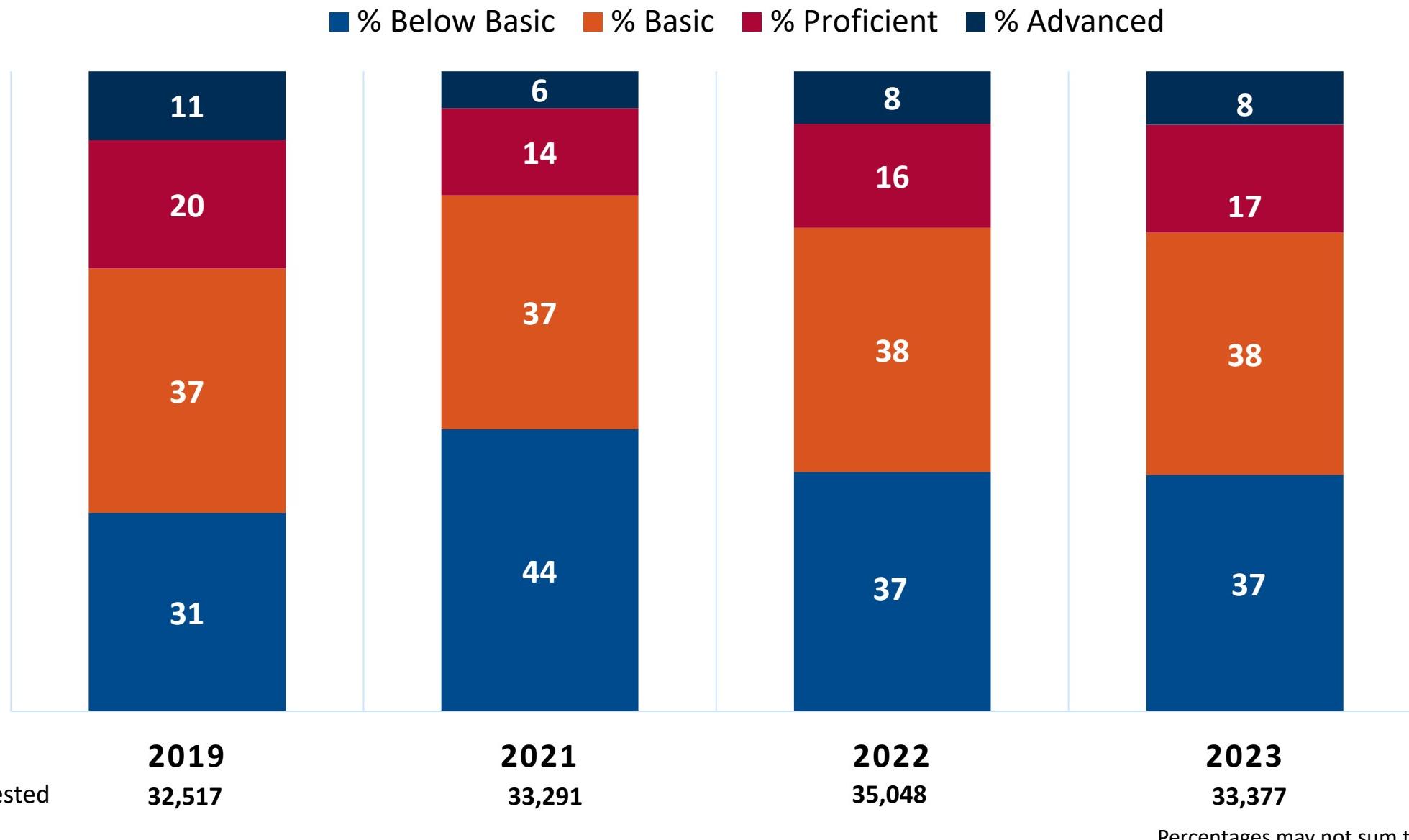
\*Includes only full-time hosted programs.

Percentages may not sum to 100 due to rounding.



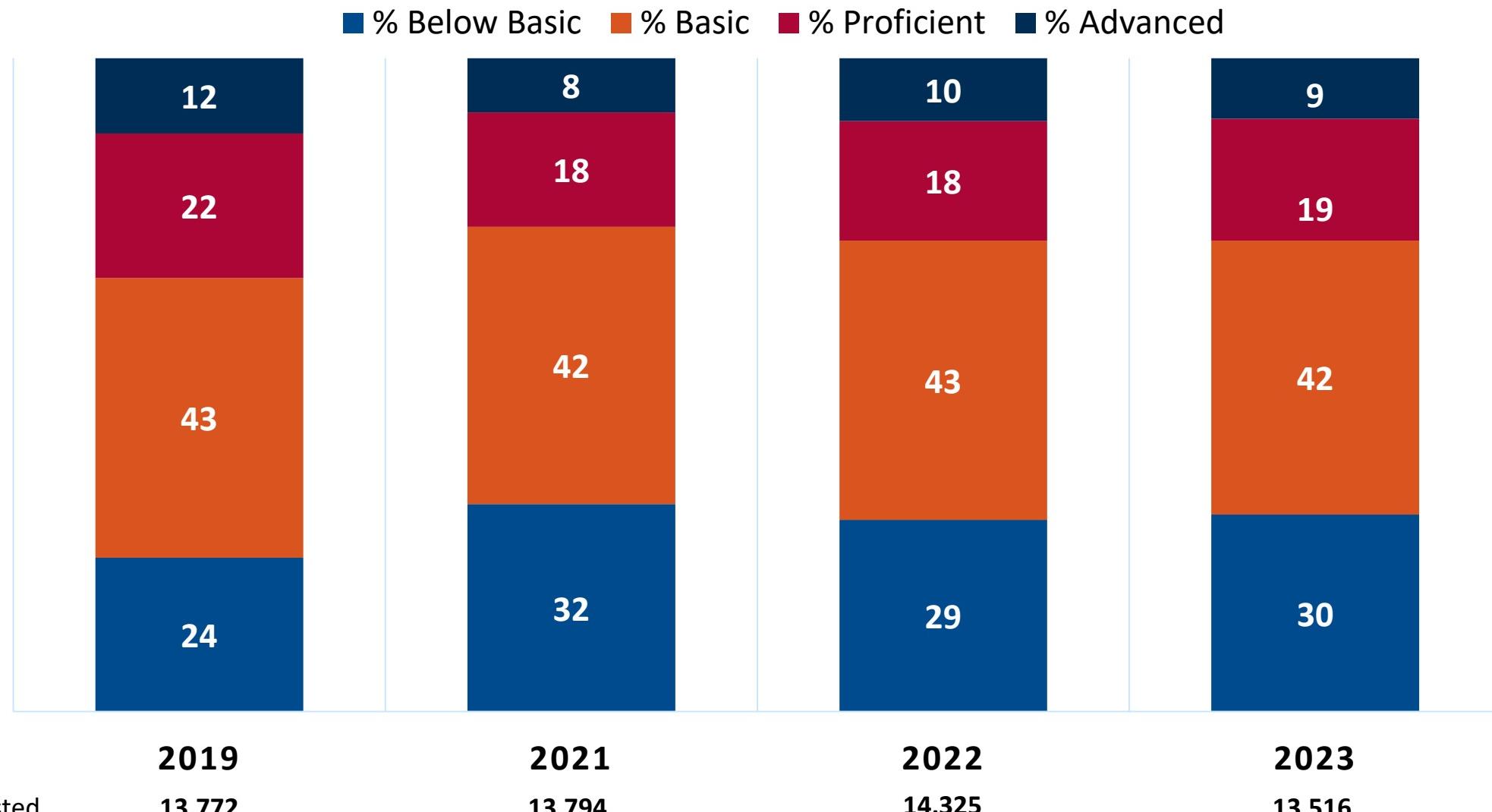


## CHARTER – ALL TESTED CONTENT AREAS AND GRADES





## CHARTER ELA – GRADE 3 THROUGH HIGH SCHOOL



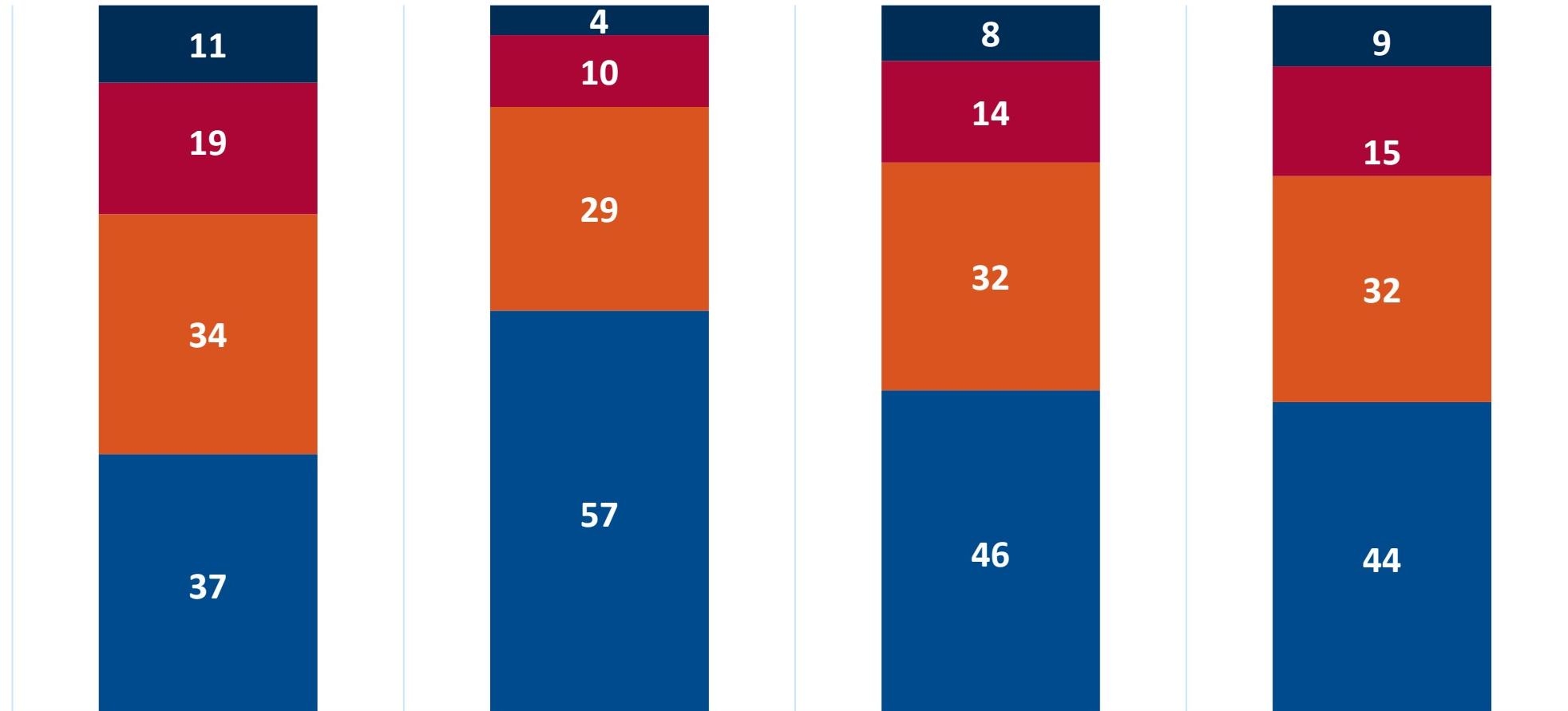
Percentages may not sum to 100 due to rounding.

# CHARTER MATHEMATICS – GRADE 3 THROUGH HIGH SCHOOL



24

■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



# Tested

**2019**  
13,631

**2021**  
13,599

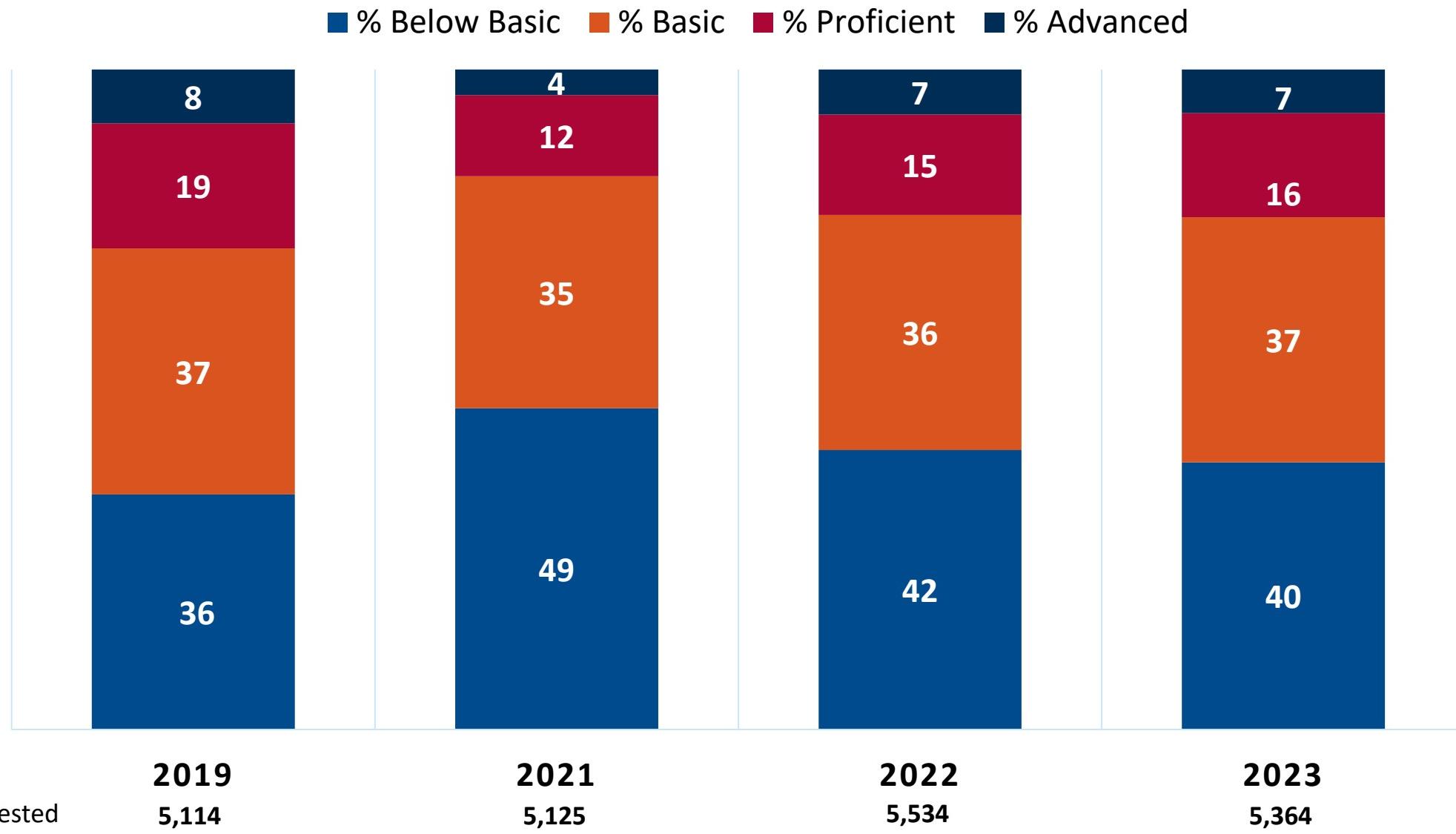
**2022**  
14,182

**2023**  
13,661

Percentages may not sum to 100 due to rounding.



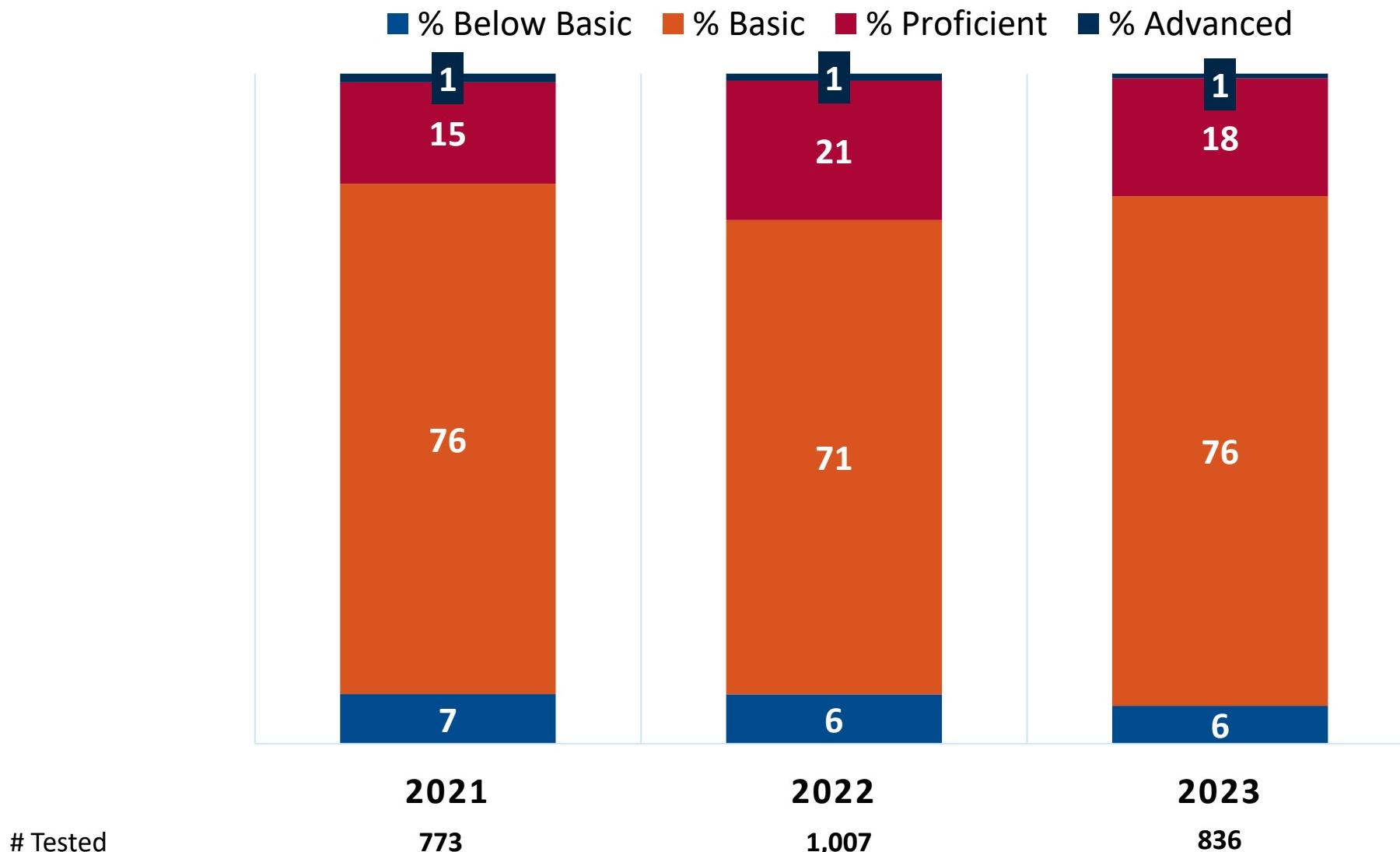
## CHARTER SCIENCE – GRADE 5 THROUGH HIGH SCHOOL



Percentages may not sum to 100 due to rounding.



## CHARTER SOCIAL STUDIES – HIGH SCHOOL



Percentages may not sum to 100 due to rounding.

## DESE FOCUSED EFFORTS



### Missouri Read, Lead, Exceed

*Evidence-based training for teachers, high quality instructional materials, literacy assessments, and Reading Success Plans (RSPs) for long-term success*

### Missouri Mathematics Initiative

*Evidence-based training for teachers, emphasis on fluency and rigor, and elementary mathematics specialist scholarships*

### Competency-Based Education

*Success-Ready Students Network, legislative task force on competency-based education, and competency-based education grant program*

### Educator Workforce

*Blue Ribbon Commission addresses teacher recruitment, retention solutions including a focus on culture and climate*

### Safe and Healthy Schools

*Statewide support including school safety grants, mental health grants, mental health first aid, and the development of social and emotional learning standards*

### Additional Research

*Continued investigation into instructional time, enrollment, attendance patterns, and effective local responses*



## Questions?

Contact us at  
[assessment@dese.mo.gov](mailto:assessment@dese.mo.gov)

573-751-3545